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Revised

CITY OF RIVERSIDE
HUMAN RESOURCES DEPARTMENT
CLASSIFICATION SPECIFICATION

TITLE: **UTILITIES SENIOR WATER SYSTEM OPERATOR**

DEFINITION

Under general supervision, to perform skilled and supervisory work in the operation of production wells, pumping stations, treatment plants, chlorination stations, water quality blending model and irrigation canals; and to do related work as required.

REPORTS TO: Utilities Chief Water System Operator

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the Utilities Chief Water System Operator. Exercises lead supervision over Utilities Water System Operators I and II's positions.

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Supervise and participate in the operation and inspection of irrigation canals, make minor repairs and participate in irrigation system repairs; clean and oil pumps and motors; clean up debris and control weeds and moss in canals.
- Supervise and participate in the operation of a computer and analysis of automatic production system data; record flow meter and electric meter readings, change charts on flow, level, pressure, chlorine and telemetering devices; measure and record wells to determine levels of water tables in various basin areas; measure and record reservoir levels; adjust pumping schedules to maintain supply volume and pressure.
- Supervise and participate in the inspection of reservoirs, wells and booster pumping stations; lubricate pumps and motors; and adjust automatic controls; operate well and booster pumps as needed to maintain reservoir levels and pressures throughout the system; operate and adjust chlorinators and pumps to maintain required chlorine residuals; operate and lubricate natural gas engines.
- Supervise and participate in the operation of the treatment plants; inspect various reducing stations throughout the area; operate, keep pump houses and pumping equipment clean and in repair.
- Oversee, make decisions and recommend on pulling, resetting, rehabilitating, disinfecting and testing domestic water wells; drain, clean, disinfect and maintain distribution reservoirs; determine and control proper chemical dosage rates for well-head disinfection and distribution residual maintenance; investigate water quality problems in the distribution system; install, tap, re-line, disinfect, test and connect water mains and appurtenances; shut-down, repair, disinfect and test broken water mains; flush and clean existing water mains.
- Manage emergency response duties for after hours distribution system operational emergencies; operate pumps and related flow and pressure control and storage facilities manually or by using a supervisory control and data acquisition (SCADA) system; and maintain and/or adjust the system flow and pressure requirements, controlling of flows to meet consumer demands including fire flow demands and minimum pressure requirements.
- Take daily water samples from designated locations to laboratory for bacteriological and other water quality analyses; obtain water samples from new construction for analyses as needed.
- Operate, keep clean and perform minor maintenance to assigned City vehicle.

- Supervise and train subordinate operators.
- Serve as Acting Utilities Chief Water System Operator as required.

QUALIFICATIONS

Knowledge of:

- Principles, operating and maintenance requirements of pumps and motors, both electric and internal combustion.
- Basic automation, hydraulics, mechanics and electricity as applied to pumping operations.
- Basic theories of drinking water treatment.
- Operating characteristic of the irrigation and portable domestic water systems.
- City water system operating policies and procedures.
- Safe work practices.
- Principles and practices of supervision and training.
- Federal and California drinking water rules and regulations.

Ability to:

- Understand and carry out oral and written instructions; prepare simple written reports.
- Perform all irrigation and domestic water system operations without direct supervision.
- Make independent responsible judgments in emergency situations in a manner conducive to pumping efficiency.
- Supervise and train subordinate operators.
- Work overtime as required.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to completion of twelfth grade.

Experience: Two years experience comparable to that of Utilities Water System Operator II in the City of Riverside.

MEDICAL CATEGORY: Group 1

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "C" California Motor Vehicle Operator's License.

Possession of a Grade 4 Water Treatment Operator and Grade 5 Water Distribution Operator certificates issued by the California Department of Health Services. Minimum requirements are a Grade 3 Treatment and Grade 3 Distribution with an ability to obtain full certification within two (2) years.

Obtain and maintain a current and valid Technician level Haz-Mat Responder Certificate.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Utilities Senior Water System Operator

TO: Utilities Chief Water System Operator